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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/696,005	10/29/2003	William J. Palmteer	18117[1111-03]	7102
26794 7	590 05/04/2006		EXAM	INER
	NOLOGY RESOUR	LOKE, STEVEN HO YIN		
	NDEN HILL ROAD, SU ON, DE 19808-2952	UITE 140	ART UNIT	PAPER NUMBER
WIEWIIVGTO			2811	-

DATE MAILED: 05/04/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

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		Application No.	Applicant(s)
Office Action Summary		10/696,005	PALMTEER ET AL.
		Examiner	Art Unit
		Steven Loke	2811
Period fo	The MAILING DATE of this communication apport	pears on the cover sheet with the	correspondence address
A SH WHIC - Exte after - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR REPLICHEVER IS LONGER, FROM THE MAILING DONA IN SIX (6) MONTHS from the mailing date of this communication. Operiod for reply is specified above, the maximum statutory period are to reply within the set or extended period for reply will, by statute reply received by the Office later than three months after the mailing ed patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION (136(a)). In no event, however, may a reply be will apply and will expire SIX (6) MONTHS from (16), cause the application to become ABANDO.	DN. timely filed m the mailing date of this communication. IED (35 U.S.C. § 133).
Status			
2a)	Responsive to communication(s) filed on <u>17 F</u> This action is FINAL . 2b) This Since this application is in condition for alloward closed in accordance with the practice under E	s action is non-final. ince except for formal matters, p	
Disposit	ion of Claims		
5)□ 6)⊠ 7)□	Claim(s) 1,2,6-8,14 and 15 is/are pending in the 4a) Of the above claim(s) is/are withdra Claim(s) is/are allowed. Claim(s) 1, 2, 6-8, 14, 15 is/are rejected. Claim(s) is/are objected to. Claim(s) are subject to restriction and/or	wn from consideration.	
Applicat	ion Papers		
10)	The specification is objected to by the Examine The drawing(s) filed on is/are: a) acc Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the E	cepted or b) objected to by the drawing(s) be held in abeyance. Setion is required if the drawing(s) is constant.	ee 37 CFR 1.85(a). objected to: See 37 CFR 1.121(d).
Priority	under 35 U.S.C. § 119		
a)	Acknowledgment is made of a claim for foreign All b) Some * c) None of: 1. Certified copies of the priority documen 2. Certified copies of the priority documen 3. Copies of the certified copies of the priority documen application from the International Burea See the attached detailed Office action for a list	ts have been received. ts have been received in Applica prity documents have been recei nu (PCT Rule 17.2(a)).	ation No ved in this National Stage
Attachmei	nt(s)		
2) Noti 3) Info	ce of References Cited (PTO-892) ce of Draftsperson's Patent Drawing Review (PTO-948) rmation Disclosure Statement(s) (PTO-1449 or PTO/SB/08 er No(s)/Mail Date	4) Interview Summa Paper No(s)/Mail 5) Notice of Informa 6) Other:	

1. Claim 8 is objected to because of the following informalities: line 3, the phrase "the material" has no antecedent basis. Appropriate correction is required.

2. Claims 1, 2, 6-8, 14 and 15 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 1, line 4, claim 14, line 5, the phrase "metal matrix composite" is unclear as to what is it meant. Is it being referred to a compound of a metal?

Since claims 1 and 14 disclose the reflector layer can be made of a metal matrix composite, it is unclear what is the relationship between a coefficient of thermal expansion of a material of the reflector layer and a coefficient of thermal expansion of a material of the electrically insulating substrate layer if the reflector layer is made of a metal matrix composite.

3. Applicant's arguments with respect to claims 1, 2, 6-8 and 14-15 have been considered but are most in view of the new ground(s) of rejection.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Steven Loke whose telephone number is (571) 272-1657. The examiner can normally be reached on 8:00 am to 5:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Eddie Lee can be reached on (571) 272-1732. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Application/Control Number: 10/696,005

Art Unit: 2811

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

April 30, 2006

Steven Loke Primary Examiner Steven Loke

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